

Title (en)  
APPLICATION UNITS TO ACTUATE AT LEAST ONE APPLICATOR ARM FOR PLACEMENT WITH RESPECT TO AGRICULTURAL PLANTS

Title (de)  
APPLIKATIONSEINHEITEN ZUR BETÄTIGUNG VON MINDESTENS EINEM APPLIKATOR ZUR PLATZIERUNG IN BEZUG AUF  
LANDWIRTSCHAFTLICHE PFLANZEN

Title (fr)  
UNITÉS D'APPLICATION POUR ACTIONNER AU MOINS UN BRAS APPLICATEUR POUR LE PLACER PAR RAPPORT À DES PLANTES  
AGRICOLLES

Publication  
**EP 3445146 B1 20240103 (EN)**

Application  
**EP 17786491 A 20170418**

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• US 2017028186 W 20170418

Abstract (en)  
[origin: WO2017184639A1] Described herein are implements and applicators for placement of fluid applications with respect to agricultural plants of agricultural fields. In one embodiment, a fluid applicator for applying fluids to plants in rows in a field includes a frame, a coulter connected to the frame and disposed to open a trench between the rows of plants, and at least one application member connected to the frame or to the coulter and disposed to apply fluid to a rhizosphere of the plants.

IPC 8 full level  
**A01C 5/06** (2006.01); **A01C 7/06** (2006.01); **A01C 21/00** (2006.01); **A01C 23/00** (2006.01); **A01C 23/02** (2006.01); **A01C 23/04** (2006.01); **A01M 7/00** (2006.01); **A01M 21/04** (2006.01)

CPC (source: EP RU US)  
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**WO 2017184639 A1 20171026**; AU 2017252532 A1 20181004; AU 2017252532 B2 20220512; AU 2017252533 A1 20181108; AU 2017252533 B2 20220317; AU 2017254533 A1 20181108; AU 2017254533 B2 20220721; AU 2017254534 A1 20181108; AU 2017254534 B2 20220818; AU 2017254535 A1 20181108; AU 2017254535 B2 20220324; AU 2017300759 A1 20190214; AU 2017300759 B2 20220310; AU 2017300767 A1 20190214; AU 2017300767 B2 20221006; AU 2022202547 A1 20220512; AU 2022202547 B2 20230713; AU 2022202548 A1 20220512; AU 2022202548 B2 20230706; BR 112018070759 A2 20190205; BR 112018070759 B1 20230307; BR 112018070762 A2 20190212; BR 112018070762 B1 20230307; BR 112018070764 A2 20190212; BR 112018070764 B1 20221011; BR 112018070767 A2 20190212; CA 3019222 A1 20171026; CA 3019222 C 20240416; CA 3019223 A1 20171026; CA 3019223 C 20240528; CA 3019225 A1 20171026; CA 3019227 A1 20171026; CA 3019230 A1 20171026; CA 3019230 C 20231107; CA 3227919 A1 20171026; CA 3227994 A1 20171026; CN 109068568 A 20181221; CN 109068568 B 20240503; CN 109068569 A 20181221; CN 109068571 A 20181221; CN 109068571 B 20231205; CN 109068573 A 20181221; CN 109068585 A 20181221; CN 109068585 B 20220701; CN 117678392 A 20240312; EP 3445144 A1 20190227; EP 3445144 A4 20200115; EP 3445144 B1 20230531; EP 3445145 A1 20190227; EP 3445145 A4 20200115; EP 3445145 B1 20230712; EP 3445146 A1 20190227; EP 3445146 A4 20200115; EP 3445146 B1 20240103; EP 3445147 A1 20190227; EP 3445147 A4 20200115; EP 3445147 B1 20230531; EP 3445151 A1 20190227; EP 3445151 A4 20200115; EP 3445151 B1 20230712; EP 4218383 A1 20230802; MX 2018012215 A 20190801; MX 2018012216 A 20190801; MX 2018012217 A 20190801; MX 2018012219 A 20190801; MX 2018012220 A 20190801; MX 2022009799 A 20220912; MX 2022010016 A 20220905; MX 2022016557 A 20230201; MX 2022016559 A 20230201; RU 2699184 C1 20190903; RU 2699185 C1 20190903; RU 2701949 C1 20191002; RU 2702196 C1 20191004; RU 2706156 C1 20191114; UA 120901 C2 20200225; UA 122440 C2 20201110; UA 127013 C2 20230315; UA 127014 C2 20230315; UA 127078 C2 20230405; US 11432460 B2 20220906; US 11516962 B2 20221206; US 2019090413 A1 20190328; US 2019124829 A1 20190502; US 2019133031 A1 20190509; US 2019133032 A1 20190509; US 2019159399 A1 20190530; US 2022361398 A1 20221117; US 2023086491 A1 20230323; WO 2017184637 A1 20171026; WO 2017184638 A1 20171026; WO 2017184640 A1 20171026; WO 2017184641 A1 20171026; ZA 201807120 B 20190828; ZA 201807121 B 20190828; ZA 201807122 B 20190828; ZA 201807123 B 20190828; ZA 201807124 B 20190828

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